**Unit 3 Map (Cell Structure and Transport)**

Osbourn Park, Biology 1, 2014-2015

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| **Topic** | **Specific Learning Target** | **DBA Score (%)** | **Test Score** (%) |
| 1. Cell Theory | A. I can describe the key events and scientists involved in the development of the cell theory. |  |  |
| B. I can identify the parts of the cell theory and evaluate evidence to support each part of the theory. |
| 2. Cell Types and Structures | C. I can compare and contrast characteristics of prokaryotic and eukaryotic cells |  |  |
| D. I can compare and contrast characteristics of animal and plant cells. |
| E. I can describe the structures and functions of various cell parts (organelles) found in different cell types. |
| F. I can describe the organization of cells in multicellular organisms into tissues, organs, and organ systems. |
| 3. Cell Transport | G. I can identify the basic molecules / structures within the cell membrane and explain why it is called the phospholipid bilayer and fluid mosaic model. |  |  |
| H. I can explain how the structure of the cell membrane gives it the property of selective permeability. |
| I. I can compare and contrast the different processes involving transport of materials across the cell membrane – simple diffusion, facilitated diffusion, osmosis, and active transport. |
| J. I can connect the efficiency of a cell’s ability to transport material across its membrane based on surface area to volume ratios. |